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TITLE: CONDUCTIVE RUBBER SHEET

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INVENTOR-INFORMATION:

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ABSTRACT:

PROBLEM TO BE SOLVED: To provide a simple and inexpensive electric continuity check jig by forming recesses and projections having a specific height and spacing of projections, on a surface of a conductive rubber sheet containing a conductive particle in an elastic insulator.

SOLUTION: The height of recesses and projections on a surface falls within a range of (\pm) 2 to (\pm) 100 μ m to an average thickness of a conductive rubber sheet, and spacing of projections is set to 10 to 200 μ m. Therefore, even if a small electrode of a circuit board is surrounded by an insulation layer and exists in a low position, and even at a narrow electrode interval, the electric connection can be stably performed, and it is not difficult to form a projection of a high projection. It is better to use silicone rubber of a rubber-like

polymer containing a nickel particle covered with gold and silver as conductive rubber. The recesses and projections are formed by a method such as use of a conductive particle having the large particle size, the formation of the recesses and projections on a surface of a metal mold, insertion of a wire net into the metal mold, mixing of a soluble particle such as a calcium carbonate or surface roughening of a surface, slit work and dot printing.

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